

<b>FORM PTO-1449 (Modified)</b> Approved for use through 10/31/2002 <b>INFORMATION DISCLOSURE CITATION</b> <b>in an Application</b> (Use several sheets if necessary)		US DEPARTMENT OF COMMERCE US Patent and Trademark Office		Docket No. <b>50623.120</b>		Application No. <b>09/966,590</b>	
				Applicant <b>Yung-Ming Chen et al.</b>			
				Filing Date <b>September 27, 2001</b>		Group Art Unit <b>1734</b>	

PATENT & TRADEMARK OFFICE  
 APR 29 2003

U.S. PATENT DOCUMENTS							
Examiner Initial	Ref. No.	Document Number	Date of Patent	Name	Class	Subclass	Filing Date if Appropriate
	A1	2,647,017	7/28/53	Coulliette	299	144	
	A2	5,127,362	7/7/92	Iwatsu et al.	118	667	
	A3						
	A4						
	A5						
	A6						
	A7						
	A8						
	A9						
	A10						

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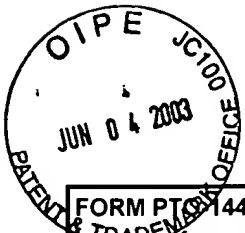
FOREIGN PATENT DOCUMENTS								
Examiner Initial	Ref. No.	Document Number	Date of Publication	Country	Class	Subclass	Translation	
							Yes	No
	B1	EP 0 970 711	1/12/00	European				
	B2	WO 01/45763	6/28/01	PCT				
	B3							
	B4							
	B5							
	B6							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)	
C1	
C2	
C3	
C4	
C5	
C6	

EXAMINER	DATE CONSIDERED <b>9/03</b>
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<b>U.S. PATENT DOCUMENTS</b>							
Examiner Initial	Ref. No.	Document Number	Date of Patent	Name	Class	Subclass	Filing Date if Appropriate
72	A1	4,733,665	3/29/88	Palmaz	128	343	
	A2	4,800,882	1/31/89	Gianturco	128	343	
	A3	4,886,062	12/12/89	Wiktor	128	343	
	A4	4,967,606	11/6/90	Wells et al.	73	864.18	
	A5	5,015,505	5/14/91	Cetnar	427	286	
	A6	5,225,750	7/6/93	Higuchi et al.	318	280	
	A7	5,368,560	11/29/94	Rambo et al.	604	35	
	A8	5,464,650	11/7/95	Berg et al.	427	2.30	
	A9	5,511,726	4/30/96	Greenspan et al.	239	102.2	
	A10	5,527,337	6/18/96	Stack et al.	606	198	
	A11	5,700,286	12/23/97	Tartaglia et al.	623	1	
	A12	5,713,949	2/3/98	Jayaraman	623	1	
	A13	5,741,554	4/21/98	Tisone	427	424	
	A14	5,766,710	6/16/98	Turnlund et al.	428	36.1	
	A15	5,769,883	6/23/98	Buscemi et al.	623	1	
	A16	5,824,056	10/20/98	Rosenberg	623	1	
	A17	5,837,313	11/17/98	Ding et al.	427	2.21	
	A18	5,843,172	12/1/98	Yan	623	1	
	A19	5,869,127	2/9/99	Zhong	427	2.12	
✓	A20	5,873,904	2/23/99	Ragheb et al.	623	1	
EXAMINER <i>gjh</i>				DATE CONSIDERED 9/03			
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	Filing Date <b>September 27, 2001</b>	Group Art Unit <b>1734</b>	

**U.S. PATENT DOCUMENTS**

Examiner Initial	Ref. No.	Document Number	Date of Patent	Name	Class	Subclass	Filing Date if Appropriate
<i>me</i>	A21	5,984,449	11/16/99	Tajika et al.	347	15	
	A22	6,096,070	8/1/00	Ragheb et al.	623	1	
	A23	6,121,027	9/19/00	Clapper et al.	435	180	
	A24	6,132,809	10/17/00	Hynes et al.	427	421	12/31/97
	A25	6,209,621	4/3/01	Treacy	164	516	7/7/95
	A26	6,214,407	4/10/01	Laube et al.	427	2.24	11/2/99
	A27	6,224,675	5/1/01	Prentice et al.	118	669	12/13/99
	A28	4,733,665 C2	1/29/02	Palmaz (Reexamination Certificate)	606	108	11/7/85
	A29	6,395,326	5/28/02	Castro et al.	427	2.24	5/31/00
	A30	6,462,284	10/8/02	Hashimoto	174	260	2/25/99
<i>✓</i>	A31	6,491,666	12/10/02	Santini, Jr. et al.	604	191	11/17/00
	A32						
	A33						
	A34						

**FOREIGN PATENT DOCUMENTS**

Examiner Initial	Ref. No.	Document Number	Date of Publication	Country	Class	Subclass	Translation	
							Yes	No
<i>me</i>	B1	WO 98/23228	6/4/98	PCT				
<i>↓</i>	B2	WO 01/52772	7/26/01	PCT				

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		Filing Date September 27, 2001	Group Art Unit 1734

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, etc.)

✓	C1	"Impulse Jetting: About Us," <a href="http://www.impulsejetting.com/about.html">http://www.impulsejetting.com/about.html</a> , printed 12/18/00 (1 page).
	C2	"Impulse Jetting: Our Technology," <a href="http://www.impulsejetting.com/tech1.html">http://www.impulsejetting.com/tech1.html</a> , printed 12/18/00 (1 page).
	C3	Trident, Inc., <a href="http://www.tridentintl.com/subbody.html">http://www.tridentintl.com/subbody.html</a> , printed December 18, 2000 (4 pages).
	C4	World Precision Instruments, Inc., "Nanoliter 2000," <a href="http://www.wpi-europe.com/pumps/Nanoliter_Injector.html">http://www.wpi-europe.com/pumps/Nanoliter_Injector.html</a> , printed September 30, 2002 (4 pages).
	C5	World Precision Instruments, Inc., "Nonolite Injector," <a href="http://www.wpiinc.com/WPI_Web/Pumps/Nanoliter_Injector.html">http://www.wpiinc.com/WPI_Web/Pumps/Nanoliter_Injector.html</a> , printed September 30, 2002 (3 pages).
	C6	World Precision Instruments, Inc., "Pneumatic PicoPumps," <a href="http://www.wpi-europe.com/pumps/Pneumatic_PicoPumps.html">http://www.wpi-europe.com/pumps/Pneumatic_PicoPumps.html</a> , printed September 30, 2002 (7 pages).
	C7	World Precision Instruments, Inc., "Pneumatic PicoPumps," <a href="http://www.wpiinc.com/WPI_Web/Pumps/Pneumatic_PicoPumps.html">http://www.wpiinc.com/WPI_Web/Pumps/Pneumatic_PicoPumps.html</a> , printed September 30, 2002 (6 pages).
↓	C8	World Precision Instruments, Inc., <a href="http://www.wpiinc.com/WPI_Web/Pumps/pneumatic_Fig.gif">http://www.wpiinc.com/WPI_Web/Pumps/pneumatic_Fig.gif</a> , printed September 30, 2002 (1 page).
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	C10	

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